

Converting Colors

$Y_{xy}(10.6690, 0.5661, 0.3029)$

Have a look what the booklet for
Yxy(10.6690, 0.5661, 0.3029)
contains.

Yxy(10.6324, 0.5653, 0.3030)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.6324, 0.5653, 0.3030)

Conversions

Conversions Part 1

Format	Color
Hex	B41837
RGB	180, 24, 55
RGB Percent	71%, 9%, 22%
CMY	0.2942, 0.9057, 0.7843
CMYK	0.00, 0.87, 0.69, 0.29
HSL	348°, 76%, 40%
HSV	348°, 87%, 71%
XYZ	19.8366, 10.6324, 4.6214
YIQ	74.1780, 83.0250, 42.7130

Conversions

Conversions Part 2

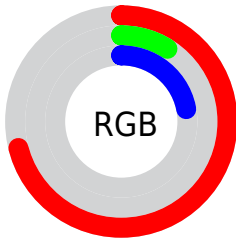
Format	Color
R_{YB}	180, 24, 55
Decimal	11802679
CIE Lab	38.95, 59.71, 24.98
CIE LCh	39, 64.727, 22.705
Yxy	10.6324, 0.5653, 0.3030
Android (android.graphics.Color)	4289992759 (0xFFB41837)
YUV	74.1780, -9.4548, 92.8059
Hunter-Lab	32.6074, 51.5272, 14.4220

Details

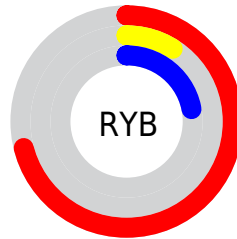
The Yxy color **10.6324, 0.5653, 0.3030** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **35.0035, 0.2427, 0.3839**, and the grayscale version is **6.8921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9813, 0.5004, 0.3170**, and **3.9510, 0.6209, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **9.9904, 0.5980, 0.3099**, and if you desaturate by 10%, it is **11.7963, 0.5261, 0.2993**.

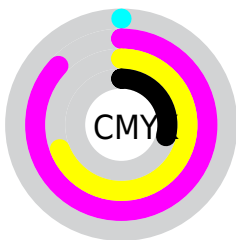
Distribution



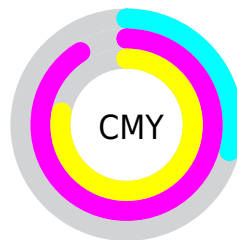
- Red (71%)
- Green (9%)
- Blue (22%)



- Red (71%)
- Yellow (9%)
- Blue (22%)



- Cyan (0%)
- Magenta (87%)
- Yellow (69%)
- Black (29%)




- Cyan (29%)
- Magenta (91%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6324, 0.5653, 0.3030 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 10.6324, 0.5653, 0.3030 by changing the saturation by 10% instead.


 10.6324, 0.5653,
0.3030


 10.6324, 0.5653,
0.3030


195.1279, 0.4106,
0.3285


 5.8202, 0.6138,
0.2885

 26.9784, 0.5015,
0.3172


 2.7361, 0.6838,
0.2643

 39.2810, 0.4798,
0.3209


 0.9955, 0.7814,
0.2186

 54.8492, 0.4624,
0.3233

 0.0000, 1.0000,
0.0000

 74.0674, 0.4482,
0.3251

 0.0000, 0.0000,
0.0000

 97.3199, 0.4364,
0.3264

 124.9913, 0.4265,

0.3273

157.4658, 0.4180,
0.3280

■ 10.6324, 0.5653,
0.3030

■ 10.6324, 0.5653,
0.3030

■ 9.9904, 0.5980,
0.3099

■ 11.7963, 0.5261,
0.2993

■ 9.8275, 0.6075,
0.3120

■ 13.5764, 0.4850,
0.2989

■ 16.0445, 0.4461,
0.3011

■ 19.2616, 0.4115,
0.3052

■ 23.2824, 0.3821,
0.3101

■ 28.1560, 0.3577,
0.3155

■ 33.9279, 0.3378,
0.3208

■ 40.6402, 0.3217,
0.3258

■ 48.3324, 0.3086,
0.3305

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



10.6324, 0.4488, 0.2299



10.6324, 0.5653, 0.3030



10.6324, 0.5769, 0.3833

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



10.6324, 0.5653, 0.3030



10.6324, 0.2720, 0.5971



10.6324, 0.1222, 0.1429

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



10.6324, 0.5653, 0.3030



35.0035, 0.2427, 0.3839

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



10.6324, 0.0994, 0.1800



10.6324, 0.5653, 0.3030



10.6324, 0.1675, 0.4551

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



10.6324, 0.5653, 0.3030



10.6324, 0.3934, 0.5783



10.6324, 0.1106, 0.2782



10.6324, 0.1834, 0.1428

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



10.6324, 0.5653, 0.3030



10.6324, 0.5371, 0.4471



10.6324, 0.1106, 0.2782



10.6324, 0.1109, 0.1504

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



10.6331, 0.5653, 0.3030



51.2464, 0.3573, 0.3156



10.3210, 0.2778, 0.1371



10.3854, 0.3650, 0.3137



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.6331, 0.5653, 0.3030



17.7959, 0.6110, 0.3140



14.2531, 0.5589, 0.3753



8.5319, 0.3257, 0.3245



6.8679, 0.6048, 0.3105



0.2242, 0.5310, 0.2699

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.6331, 0.5653, 0.3030



17.7959, 0.6110, 0.3140



20.3213, 0.2038, 0.2432



8.5319, 0.3257, 0.3245



6.8679, 0.6048, 0.3105



0.2242, 0.5310, 0.2699

Previews

White Background



This preview shows how the Yxy color 10.6324, 0.5653, 0.3030 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 10.6324, 0.5653, 0.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.6324, 0.5653, 0.3030

Background



This preview shows how black text looks on a background with the Yxy color 10.6324, 0.5653, 0.3030.



This preview shows how white text looks on a background with the Yxy color 10.6324, 0.5653, 0.3030.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

10.6324, 0.5653, 0.3030

Protanopia

10.9899, 0.3417, 0.3624

Deuteranopia

10.9948, 0.4230, 0.4169



Tritanopia

10.6524, 0.6003, 0.3313

Trichromacy



Original Color

10.6324, 0.5653, 0.3030

Protanomaly

9.1656, 0.4287, 0.3254

Deuteranomaly

9.4999, 0.4898, 0.3548

Tritanomaly

10.5542, 0.5908, 0.3222

Monochromacy



Original Color

10.6324, 0.5653, 0.3030

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

6.7443, 0.4179, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6324, 0.5653, 0.3030 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(180, 24, 55)` looks like.

```
.text, #text, p{  
    color:rgb(180, 24, 55)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(180, 24, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 24, 55) }
```

Border

The CSS property to change the border of an element to Yxy 10.6324, 0.5653, 0.3030 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 24, 55) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(180, 24, 55) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(180, 24, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 24, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 24, 55);  
box-shadow:4px 4px 4px 4px rgb(180, 24,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6324, 0.5653, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 24, 55) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(180, 24,  
55) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor